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A **cryptographic file system** for UNIX

psu.edu [PDF]

M Blaze - Proceedings of the 1st ACM conference on Computer ..., 1993 - portal.acm.org
Abstract Although **cryptographic** techniques are playing an increas- ingly important role in moder
computing **system** security, user- level tools for encrypting **file** data are cumbersome and suffer
from a number of inherent vulnerabilities. The **Cryptographic File System** (CFS) pushes ...
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[PDF] The design and implementation of a transparent **cryptographic file system** for ...

psu.edu [PDF]

G Cattaneo, L Catuogno, A Del Sorbo, P Persiano - 1997 - Citeseer
Recent advances in hardware and communicationtechnologies have made possible and cost
eective to share a le **system** among several machines over a local (but possibly also a wide)
area network. One of the most successful and widely used such applications is Sun's ...
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[HTML] NCryptfs: A secure and convenient **cryptographic file system**

usenix.org [HTML]

CP Wright, M Martino, E Zadok - Proceedings of the Annual USENIX ..., 2003 - usenix.org
Often, increased security comes at the expense of user convenience, performance, or compatibility
with other systems. The right level of security depends on specific site and user needs, which
must be carefully balanced. We have designed and built a new **cryptographic file system** ...
Cited by 88 - Related articles - Cached - All 35 versions

Separating key management from **file system** security

psu.edu [PDF]

D Mazières, M Kaminsky, MF Kaashoek, E ... - ACM SIGOPS ..., 1999 - portal.acm.org
... SFS doesn't care why users believe this pathname, or even what level of confidence
they place in the files. SFS just delivers **cryptographic file system** security to whatever
file system the users actually name. 2.3 The/sfs directory ...
Cited by 320 - Related articles - BL Direct - All 58 versions

Key management in an encrypting **file system**

psu.edu [PDF]

M Blaze - Proceedings of the Summer 1994 USENIX Conference, 1994 - usenix.org
... This paper describes a **system**, based on **cryptographic** "smartcards," for the temporary

"escrow" of **file** encryption keys for critical files in a **cryptographic file system**. ... 8. References
[1] Blaze, M., "A **Cryptographic File System** for Unix." Proc. ...
Cited by 75 - Related articles - All 192 versions

[PDF] Cryptfs: A stackable vnode level encryption **file system**

psu.edu [PDF]

E Zadok, I Badulescu, A Shender - 1998 - Citeseer
... Consequently, transparent **cryptographic file** systems have not received wide use. We have
remedied these problems in Cryptfs. Cryptfs is implemented as a kernel-resident **file system**,
and can be mounted on any directory and on top of any other **file system** such as UFS and ...
Cited by 131 - Related articles - View as HTML - All 39 versions

Cryptographic access control in a distributed **file system**

psu.edu [PDF]

A Harrington, C Jensen - ... of the eighth ACM symposium on Access ..., 2003 - portal.acm.org
ABSTRACT Traditional access control mechanisms rely on a reference monitor to mediate access
to protected resources. Reference monitors are inherently centralized and existing attempts to
distribute the func- tionality of the reference monitor suffer from problems of scalabil- ity. ...
Cited by 39 - Related articles - All 14 versions

[PDF] TCFS: Transparent **Cryptographic File System**

unisa.it [PDF]

E Mauriello - Linux Journal, 1997 - tcfs.unisa.it
Current network technology makes it cheap and convenient to share resources over a
network. Typically, a computer network consists of one server with direct access to a resource
(**file system**, printers, CPU time). The server then allows several clients to access the ...
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Stegfs: A steganographic **file system** for linux

psu.edu [PDF]

A McDonald, M Kuhn - Information Hiding, 1999 - Springer
... 463 5. Peter Gutmann: Secure **FileSystem** (SFS) for DOS/Windows. ... 463 6. Ross Anderson, Roger
Needham, Adi Shamir: The Steganographic **File System**. ... 73–82. http://www.cl.cam.ac.uk/ftp/users/
rja14/sfs3.ps.gz 464, 465, 466, 476 7. Michael Roe: **Cryptography** and Evidence. ...
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Feasibility of a serverless distributed **file system** deployed on an existing set of ...

psu.edu [PDF]

WJ Bolosky, JR Douceur, D Ely, M ... - Proceedings of the 2000 ..., 2000 - portal.acm.org
... We need to use **cryptographic** techniques to ensure data privacy and integrity. We also need
to create and securely distribute multiple replicas of each **file** throughout the **system**, both to
prevent a malicious user from easily destroying all copies of any given **file** and because we ...
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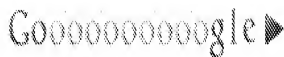
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